

JULUS PALLIPES OLIVIER, 1792 (DIPLOPODA, POLYDESMIDA):
PROPOSED SUPPRESSION UNDER THE PLENARY POWERS.

Z.N.(S.) 1823

By C. A. W. Jeekel (Zoölogisch Museum, Afd. Entomologie, Amsterdam,
The Netherlands)

Recent investigations (Jeekel, 1967) have shown that the well-known Eastern European paradoxosomatid *Strongylosoma pallipes* (Olivier) in the current concept is not the same species as *Julus pallipes* Olivier, 1792, which was originally described from the surroundings of Paris. *Strongylosoma pallipes* auct. must now take the name of *Strongylosoma stigmatosum* (Eichwald, 1830). *Julus pallipes* Olivier actually refers to the species currently known as *Stosatea italica* (Latzel, 1886). However, the transfer of the name *pallipes* to the concept of *Stosatea italica* would inevitably lead to much confusion. The purpose of the present application, therefore, is to ask the International Commission to suppress the name *pallipes*.

2. By monotypy *pallipes* has become the type-species of *Tropisoma* C. L. Koch, 1844. With the suppression of the name of the type-species, which was incidentally also misidentified by Koch, this generic name loses its status. The International Commission is, therefore, asked to designate for *Tropisoma* a type-species in accordance with Koch's usage of the name *pallipes*.

3. *Julus pallipes* Olivier, 1792 (*Encyclopédie méthodique. Histoire naturelle. Insectes* 7 : 416) was described from the surroundings of Paris. The species was rediscovered there by Gervais, 1835 (*Mag. Zool.* 1835 : 8 (133) : 11), who in 1839 (*Revue zool. Soc. Cuvier.* 2 : 280) synonymized it with *Julus stigmatosus* Eichwald, 1830 (*Zoologia specialis, Pars altera*: 124), from Lithuania and Volhynia. In the meantime Brandt had erected his genus *Strongylosoma* Brandt, 1833 (*Bull. Soc. imp. Nat. Moscou* 6 : 205) for *Julus stigmatosus* Eichwald (= *Strongylosoma iuloides* Brandt, 1833), so that *Julus pallipes* became subsequently known as *Strongylosoma pallipes* (Olivier), a name thought to refer to a paradoxosomatid species occurring throughout Europe.

4. The first author who found that the species occurring in the surroundings of Paris is not the same as the one found in Eastern Europe was Latzel. Unfortunately, however, Latzel restricted the concept of *pallipes* to the Eastern European species and redescribed the species from the surroundings of Paris under the name of *Strongylosoma pallipes* var. *gallicum* Latzel, 1886 (*in*: Gadeau de Kerville, *Bull. Soc. Amis Sci. nat. Rouen* 1885 : 175). Eventually the latter form was synonymized with *Strongylosoma italicum* Latzel, 1886 (*Boll. Soc. ent. ital.* 18 : 309) by Brölemann, 1895 (*Boll. Soc. ent. ital.* 27 : 103). This species later became the type of *Stosatea* Gray, 1843 (*in*: Todd (ed.), *The Cyclopaedia of Anatomy and Physiology* 3 : 546), by designation of Brölemann, 1916 (*Annl. Soc. ent. Fr.* 84 : 591), and of *Entothalassinum* Attems, 1914 (*Arch. Naturgesch.* 80A (4) : 228), by original designation. It is clear that the species now known as *Stosatea italica* is in fact the same as *Julus pallipes* Olivier, whereas the species

up to now known as *Strongylosoma pallipes* should bear the name *Strongylosoma stigmatosum* (Eichwald).

5. Only one generic name has been based on *Julus pallipes* Olivier, viz., *Tropisoma* C. L. Koch, 1844 (*Deutschlands Crustaceen, Myriapoden und Arachniden*, Heft 40, pl. 13). The species, however, which Koch described as *pallipes* is not the same as *pallipes* Olivier, but is *Strongylosoma pallipes* auct., i.e. *Strongylosoma stigmatosum* (Eichwald). On account of this *Tropisoma* has always been considered to be a junior synonym of *Strongylosoma* Brandt, 1833.

6. As the purpose of the present application is to ask the International Commission to suppress the specific name *pallipes*, a decision as regards the status of *Tropisoma* is also necessary. Perhaps it would be best to suppress also *Tropisoma*, since it is based on a misidentified type-species and will remain a junior synonym as a result of either of the two possible solutions as regards the type designation.

The first possibility is to designate *Julus stigmatosus* Eichwald, 1830, as type-species of *Tropisoma*, the species which Koch described as *Tropisoma pallipes* (Olivier). In this case *Tropisoma* becomes a junior objective synonym of *Strongylosoma* Brandt, 1833.

The alternative possibility is to designate *Strongylosoma italicum* Latzel, 1886, the valid name for the species described by Olivier if *pallipes* is suppressed. In this case *Tropisoma* becomes a junior objective synonym of *Stosatea* Gray, 1843.

In view of the history of the name *Tropisoma*, which has always been synonymized with *Strongylosoma*, the first of the two alternatives seems the most recommendable.

7. In order to avoid any confusion as regards the status of the names *pallipes* and *Tropisoma*, the International Commission is requested:

- (1) to use its plenary powers to suppress the specific name *pallipes* Olivier, 1792, as published in the binomen *Julus pallipes*, for the purposes of the Law of Priority but not for those of the Law of Homonymy;
- (2) to use its plenary powers to set aside any previous designation of a type-species for *Tropisoma* C. L. Koch, 1844, and designate *Julus stigmatosus* Eichwald, 1830, to be the type-species.
- (3) to place the specific name suppressed under the plenary powers in (1) above on the Official Index of Rejected and Invalid Specific Names in Zoology;
- (4) to place the generic name *Strongylosoma* Brandt, 1833 (gender: neuter), type-species by monotypy *Julus stigmatosus* Eichwald, 1830 (= *Strongylosoma iuloides* Brandt, 1833), on the Official List of Generic Names in Zoology;
- (5) to place the generic name *Tropisoma* C. L. Koch, 1844 (a junior objective synonym of *Strongylosoma* Brandt, 1833) on the Official Index of Rejected and Invalid Generic Names in Zoology;

- (6) to place the specific name *stigmatosus* Eichwald, 1830, as published in the binomen *Julus stigmatosus*, (type-species of *Strongylosoma* Brandt, 1833) on the Official List of Specific Names in Zoology.

REFERENCE

- JEEKELE, C. A. W. 1967. Notes on the nomenclature and taxonomy of European Paradoxosomatidae (Diplopoda, Polydesmida). *Ent. Ber., Amst.*, 27 : 166-172